

Atty. Docket No.
A34537-PCT-USA-
072667.0175

Serial No.
09/890,779

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)



Applicant
Wolfgang Werr

Filing Date
August 6, 2001

Group 1638

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENT

	Document No.	Date	Country	Class	SubClass	Translation Yes No
CC	9 6 0 1 3 1 3	01/18/96	WIPO			

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

CC	Long et al. (1996) "A Member of the KNOTTED Class of Homeodomain Proteins Encoded by the STM Gene of Arabidopsis," Nature 379:66-69
	Riechmann et al. (1996) "DNA-Binding Properties of Arabidopsis MADS Domain Homeotic Proteins APETALA1, APETALA3, PISTILLATA and AGAMOUS," Nucleic Acids Research 24:3134-3141
↓	Weinmann et al. (1994) "A Chimeric Transactivator Allows Tetracycline-Responsive Gene Expression in Whole Plants," The Plant Journal 5:559-569

Examiner

Date Considered

12/10/04

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CC	1.	5	9	0	7	0	8	1		05/25/99	Isaac et al.	800	205	
	13.	5	6	8	9	0	4	4		11/18/97	Ryals et al.	800	205	
↓	47.	4	9	4	3	6	7	4		07/24/90	Houck et al.	800	205	

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CC		Document No.								Date	Country	Class	SubClass	Translator Yes No
	9.	9	7	2	3	6	1	8		07/03/97	WIPO	C12N	15/29	
	25.	9	4	2	1	7	9	3		09/29/94	WIPO	C12N	15/29	
	27.	0	6	9	2	0	3	0		10/13/94	EPC			
	29.	9	4	2	3	0	4	3		10/13/94	WIPO	C12N	15/29	
	33.	9	3	0	2	1	9	7		02/04/93	WIPO	C12N	15/56	
	38.	9	2	1	1	3	7	9		07/09/92	WIPO	C12N	15/82	
	41.	0	4	7	5	5	8	4		03/18/92	EPC	C12N	15/29	
	46.	9	0	0	2	1	7	2		03/08/90	WIPO	C12N	5/00	
↓	50.	8	9	1	0	3	9	6		11/02/89	WIPO	C12N	5/00	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

CC	2.	Ahmad KF, Engel CK, Prive GG (1998). Crystal structure of the BTB domain from PLZF. <i>Proc Natl Acad Sci USA</i> 95(21):12123-12128.
	3.	Hardtke CS, Berleth T (1998). The <i>Arabidopsis</i> gene <i>MONOPTEROS</i> encodes a transcription factor mediating embryo axis formation and vascular development. <i>EMBO J</i> 17(5):1405-1411.
	4.	Huynh KD, Bardwell VJ (1998). The BCL-6 POZ domain and other POZ domains interact with the co-repressors N-CoR and SMRT. <i>Oncogene</i> 17(19):2473-2484.
	5.	Salter MG, Paine JA, Riddell KV, Jepson I, Greenland AJ, Caddick MX, Tomsett AB (1998). Characterisation of the ethanoil-inducible <i>alc</i> gene expression system for transgenic plants. <i>Plant J</i> 16:127-132.
	6.	Tamagnone L, Merida A, Parr A, Mackay S, Culianez-Macia FA, Roberts K, Martin C (1998). The AmMYB308 and AmMYB330 transcription factors from antirrhinum regulate phenylpropanoid and lignin biosynthesis in transgenic tobacco. <i>Plant Cell</i> 10(2):135-154.
↓	7.	Thiel G, Lietz M, Cramer M (1998). Biological activity and modular structure of RE-1-silencing transcription factor (REST), a repressor of neuronal genes. <i>J Biol Chem</i> 273(41):26891-26899.

Examiner

Lyndia Collins

Date Considered

12/10/04

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
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Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office		Atty. Docket No. A34537-PCT-USA (072667.0175)	Serial No. 09/890,779
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Werr	
		Filing Date August 6, 2001	Group Art Unit Not Yet Assigned / 638

8. Tolkunova EN, Fujoka M, Kobayashi M, Deka D, Jaynes JB (1998). Two distinct types of repression domain in engrailed: one interacts with the groucho corepressor and is preferentially active on integrated target genes. *Mol Cell Biol* 18(5):2804-2814.
10. Bürglin TR (1997). Analysis of TALE superclass homeobox genes (MEIS, PBC, KNOX, Iroquois, TGIF) reveals a novel domain conserved between plants and animals. *Nucleic Acids Res* 25(21):4173-4180.
11. Martin C, Paz-Ares J (1997). MYB transcription factors in plants. *Trends Genet* 13(2):67-73.
12. Moosmann P, Georgiev O, Thiesen HJ, Hagmann M, Schaffner W (1997). Silencing of RNA polymerases II and III-dependent transcription by the KRAB protein domain of KOX1, a Kruppel-type zinc finger factor. *Biol Chem* 378(7):669-677.
14. Sessions A, Nemhauser JL, McColl A, Roe JL, Feldmann KA, Zambryski PC (1997). ETTIN patterns the *Arabidopsis* floral meristem and reproductive organs. *Development* 124(22):4481-4491.
15. Ulmasov T, Hagen G, Guilfoyle TJ (1997). ARF1, a transcription factor that binds to auxin response elements. *Science* 276(5320):1865-1868.
16. Conlon FL, Sedgwick SG, Weston KM, Smith JC (1996). Inhibition of Xbra transcription activation causes defects in mesodermal patterning and reveals autoregulation of Xbra in dorsal mesoderm. *Development* 122(8):2427-2435.
17. Friedmann JR, Fredericks WJ, Jensen DE, Speicher DW, Huang XP, Neilson EG, Rauscher FJ III (1996). KAP-1, a novel corepressor for the highly conserved KRAB repression domain. *Genes Dev* 10:2067-2078.
18. Ishida Y, Saito H, Ohta S, Hiei Y, Komari T, Kumashiro T (1996). High efficiency transformation of maize (*Zea mays* L.) mediated by *Agrobacterium tumefaciens*. *Nat Biotechnol* 14(6):745-750.
19. Simon R, Igano MI, Coupland G (1996). Activation of floral meristem identity genes in *Arabidopsis*. *Nature* 384(6604):59-62.
20. Smith ST, Jaynes JB (1996). A conserved region of engrailed, shared among all en-, gsc-, Nkl-, Nk2- and msh-class homeoproteins, mediates active transcriptional repression in vivo. *Development* 122(10):3141-3150.
21. Überlacker B, Werr W (1996). Vectors with rare-cutter restriction enzyme sites for expression of open reading frames in transgenic plants. *Molecular Breeding* 2:293-295.
22. John A, Smith ST, Jaynes JB (1995). Inserting the Ftz homeodomain into engrailed creates a dominant transcriptional repressor that specifically turns off Ftz target genes in vivo. *Development* 121(6):1801-1813.
23. Ni M, Cui D, Einstein J, Narasimhulu S, Vergara CE, Gelvin SB (1995). Strength and tissue specificity of chimeric promoters derived from the octopine and mannopine synthase genes. *Plant J* 7:661-676.
24. Vos P, Hogers R, Bleeker M, Reijans M, van de Lee T, Horne M, Frijters A, Pot J, Peleman J, Kuiper M, et al. (1995). AFLP: a new technique for DNA fingerprinting. *Nucleic Acids Res* 23(21):4407-4414.
26. Dennehey BK, Petersen WL, Ford-Santino C, Pajeau M, Armstrong CL (1994). Comparison of selective agents for use with the selectable marker gene bar in maize transformation. *Plant Cell Tissue and Organ Culture* 36:1-7.
28. Flavell RB (1994). Inactivation of gene expression in plants as a consequence of specific sequence duplication. *Proc Natl Acad Sci USA* 91(9):3490-3496.

Examiner

Cynthia Collins

Date Considered

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BY APPLICANT
(Use several sheets if necessary)Applicant
WerrFiling Date
August 6, 2001Group Art Unit
Not Yet Assigned— 1638

- QC*
30. Kerstetter R, Vollbrecht E, Lowe B, Veit B, Yamaguchi J, Hake S (1994). Sequence analysis and expression patterns divide the maize *knotted1*-like homeobox genes into two classes. *Plant Cell* 6(12):1877-1887.
 31. Lloyd AM, Schena M, Walbot V, Davis RW (1994). Epidermal cell fate determination in *Arabidopsis*: patterns defined by a steroid-inducible regulator. *Science* 266(5184):436-439.
 32. Witzgall R, O'Leary E, Leaf A, Onaldi D, Bonventre JV (1994). The Kruppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression. *Proc Natl Acad Sci USA* 91(10):4514-4518.
 34. Bechtold N, Ellis J, Pelletier G (1993). *In planta Agrobacterium* mediated gene transfer by infiltration of adult *Arabidopsis thaliana* plants. *C.R. Acad Science* 316:1194-1199.
 35. Gaubier P, Raynal M, Hull G, Huestis GM, Grellet F, Arenas C, Pages M, Delseny M (1993). Two different *Em*-like genes are expressed in *Arabidopsis thaliana* seeds during maturation. *Mol Gen Genet* 238(3):409-418.
 36. Han K, Manley JL (1993). Functional domains of the Drosophila Engrailed protein. *EMBO J* 12(7):2723-2733.
 37. Liang P, Averboukh L, Pardee AB (1993). Distribution and cloning of eukaryotic mRNAs by means of differential display: refinements and optimization. *Nucleic Acids Res* 21(14):3269-3275.
 39. Jack T, Brockman LL, Meyerowitz EM (1992). The homeotic gene APETALA3 of *Arabidopsis thaliana* encodes a MADS box and is expressed in petals and stamens. *Cell* 68(4):683-697.
 40. Depigny-This D, Raynal M, Aspart L, Delseny M, Grellet F (1992). The cruciferin gene family in radish. *Plant Mol Biol* 20(3):467-479.
 42. Binet M-N, Lepetit M, Weil J-H, Tessier L-H (1991). Analysis of a sunflower polyubiquitin promoter by transient expression. *Plant Science* 79:87-94.
 43. Martin C, Prescott A, Mackay S, Bartlett J, Vrijlandt E (1991). Control of anthocyanin biosynthesis in flowers of *Antirrhinum majus*. *Plant J* 1(1):37-49.
 44. McElroy D, Blowers AD, Jenes B, Wu R (1991). Construction of expression vectors based on the rice actin 1 (Act1) 5' region for use in monocot transformation. *Mol Gen Genet* 231(1):150-160.
 45. Schena M, Lloyd AM, Davis RW (1991). A steroid-inducible gene expression system for plant cells. *Proc Natl Acad Sci USA* 88(23):10421-10425.
 48. Reina M, Ponte I, Guillen P, Boronat A, Palau J (1990). Sequence analysis of a genomic clone encoding a Zc2 protein from *Zea mays* W64 A. *Nucleic Acids Res* 18(21):6426.
 49. Schmidt RJ, Burr FA, Aukerman MJ, Burr B (1990). Maize regulatory gene opaque-2 encodes a protein with a "leucine-zipper" motif that binds to zein DNA. *Proc Natl Acad Sci USA* 87(1):46-50.
 51. Anderson OD, Greene FC (1989). The characterization and comparative analysis of high-molecular-weight glutenin genes from genomes A and B of a hexaploid bread wheat. *T.A.G.* 77:689-700.
 52. Axelos M, Bardet C, Liboz T, Le Van Thai A, Curie C, Lescure B (1989). The gene family encoding the *Arabidopsis thaliana* translation elongation factor EF-1 alpha: molecular cloning, characterization and expression. *Mol Gen Genet* 219(1-2):106-12.
 53. Riggs CD, Hunt DC, Lin J, Chrispeels MJ (1989). Utilization of luciferase fusion genes to monitor differential regulation of phytohemagglutinin and phaseolin promoters in transgenic tobacco. *Plant Science* 63:47-57.

Examiner

Cynthia Bellino

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| 54. | Vain P, Yean H, Flament P (1989). Enhancement of production and regeneration of embryogenic type II callus in <i>Zea mays</i> L. by AgNO ₃ . <i>Plant Cell Tissue and Organ Culture</i> 18:143-151. |
| 55. | Vain P, Flament P, Soudain P (1989). Role of ethylene in embryogenic callus initiation and regeneration in <i>Zea mays</i> L. <i>Journal of Plant Physiology</i> 135:537-540. |
| 56. | Sanford JC (1988). The biolistic process. <i>Trends in Biotechnology</i> 6:299-302. |
| 57. | Jouanin L, Vilaine F, Tourneur J, Tourneur C, Pautot V, Muller JF, Caboche M (1987). Transfer of a 4.3-kb fragment of the TL-DNA of <i>Agrobacterium rhizogenes</i> strain A4 confers the pRi transformed phenotype to regenerated tobacco plants. <i>Plant Sci</i> 53:53-63. |
| 58. | Kay R, Chan A, Daly, M, McPherson J (1987). Duplication of CaMV 35S promoter sequences creates a strong enhancer for plant genes. <i>Science</i> 236:1299-1302. |
| 59. | Kuhlemeier C, Green PJ, Chua N-H (1987). Regulation of gene expression in higher plants. <i>Ann Rev Plant Physiol</i> 38:221-257. |
| 60. | Töpfer R, Matzeit V, Gronenborn B, Schell J, Steinbiss HH (1987). A set of plant expression vectors for transcriptional and translational fusions. <i>Nucleic Acids Res</i> 15(14):5890. |
| 61. | An G (1986). Development of plant promoter expression vectors and their use for analysis of differential activity of nopaline synthase promoter in transformed tobacco cells. <i>Plant Physiol</i> 81:86-91. |
| 62. | Fromm ME, Taylor LP, Walbot V (1986). Stable transformation of maize after gene transfer by electroporation. <i>Nature</i> 319(6056):791-793. |
| 63. | Poole SJ, Kauvar LM, Drees B, Kornberg T (1985). The <i>engrailed</i> locus of <i>Drosophila</i> : structural analysis of an embryonic transcript. <i>Cell</i> 40(1):37-43. |
| 64. | Bevan M (1984). Binary <i>Agrobacterium</i> vectors for plant transformation. <i>Nucleic Acids Res</i> 12(22):8711-8721. |
| 65. | Depicker A, Stachel S, Dhaese P, Zambryski P, Goodman HM (1982). Nopaline synthase: transcript mapping and DNA sequence. <i>J Mol Appl Genet</i> 1(6):561-573. |
| 66. | Krens FA, Molendijk L, Wullens GJ, Schilperoort RA (1982). <i>In vitro</i> transformation of plant protoplasts with Ti plasmid DNA. <i>Nature</i> 296:72-74. |
| 67. | Franck A, Guilley H, Jonard G, Richards K, Hirth L (1980). Nucleotide sequence of cauliflower mosaic virus DNA <i>Cell</i> 21(1):285-294. |

Examiner *Alythia Collins* Date Considered *12/10/04*

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